

In the Abstract:

Substitute the following abstract.

ABSTRACT

An electric discharge machine and method for carrying out electric discharge machining there within is provided, wherein after an electrode (21) and an electrode guide holder (25) are attached to an electrode holder (23), in advance, which is in turn mounted on a spindle (13), the electrode guide holder (25) is gripped by a gripper arm (29) and moved to a distal end of the electrode (21) so that the machining is carried out while the distal end of the electrode (21) is supported by an electrode guide (61). When the electrode (21) must be replaced due to the exhaustion thereof during the electric discharge machining of a fine hole, the electric discharge machine and method make it possible to assuredly carry out the replacement of the electrode in a short time.